

SQL Cheat Sheet: CREATE TABLE, ALTER, DROP, TRUNCATE



| Command | Syntax | Description | Example |
|-----------------------------|--|--|--|
| CREATE TABLE | <code>CREATE TABLE table_name (col1 datatype optional keyword, col2 datatype optional keyword, col3 datatype optional keyword, ..., coln datatype optional keyword)</code> | <code>CREATE TABLE</code> statement is to create the table. Each column in the table is specified with its name, data type and an optional keyword which could be PRIMARY KEY , NOT NULL , etc., | <code>CREATE TABLE employee (employee_id char(2) PRIMARY KEY, first_name varchar(30) NOT NULL, mobile int);</code> |
| ALTER TABLE - ADD COLUMN | <code>ALTER TABLE table_name ADD COLUMN column_name_1 datatype...ADD COLUMN column_name_n datatype;</code> | <code>ALTER TABLE</code> statement is used to add the columns to a table. | <code>ALTER TABLE employee ADD COLUMN income bigint;</code> |
| ALTER TABLE - ALTER COLUMN | <code>ALTER TABLE table_name ALTER COLUMN column_name_1 SET DATA TYPE datatype;</code> | <code>ALTER TABLE ALTER COLUMN</code> statement is used to modify the data type of columns. | <code>ALTER TABLE employee ALTER COLUMN mobile SET DATA TYPE CHAR(20);</code> |
| ALTER TABLE - DROP COLUMN | <code>ALTER TABLE table_name DROP COLUMN column_name_1 ;</code> | <code>ALTER TABLE DROP COLUMN</code> statement is used to remove columns from a table. | <code>ALTER TABLE employee DROP COLUMN mobile ;</code> |
| ALTER TABLE - RENAME COLUMN | <code>ALTER TABLE table_name RENAME COLUMN current_column_name TO new_column_name;</code> | <code>ALTER TABLE RENAME COLUMN</code> statement is used to rename the columns in a table. | <code>ALTER TABLE employee RENAME COLUMN first_name TO name ;</code> |
| TRUNCATE TABLE | <code>TRUNCATE TABLE table_name IMMEDIATE;</code> | <code>TRUNCATE TABLE</code> statement is used to delete all of the rows in a table. The IMMEDIATE specifies to process the statement immediately and that it cannot be undone. | <code>TRUNCATE TABLE employee IMMEDIATE ;</code> |
| DROP TABLE | <code>DROP TABLE table_name ;</code> | Use the <code>DROP TABLE</code> statement to delete a table from a database. If you delete a table that contains data, by default the data will be deleted alongside the table. | <code>DROP TABLE employee ;</code> |

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Changelog

| Date | Version | Changed by | Change Description |
|------------|---------|----------------|--------------------|
| 2021-07-27 | 1.0 | Himanshu Birla | Initial Version |